

FIG. 1

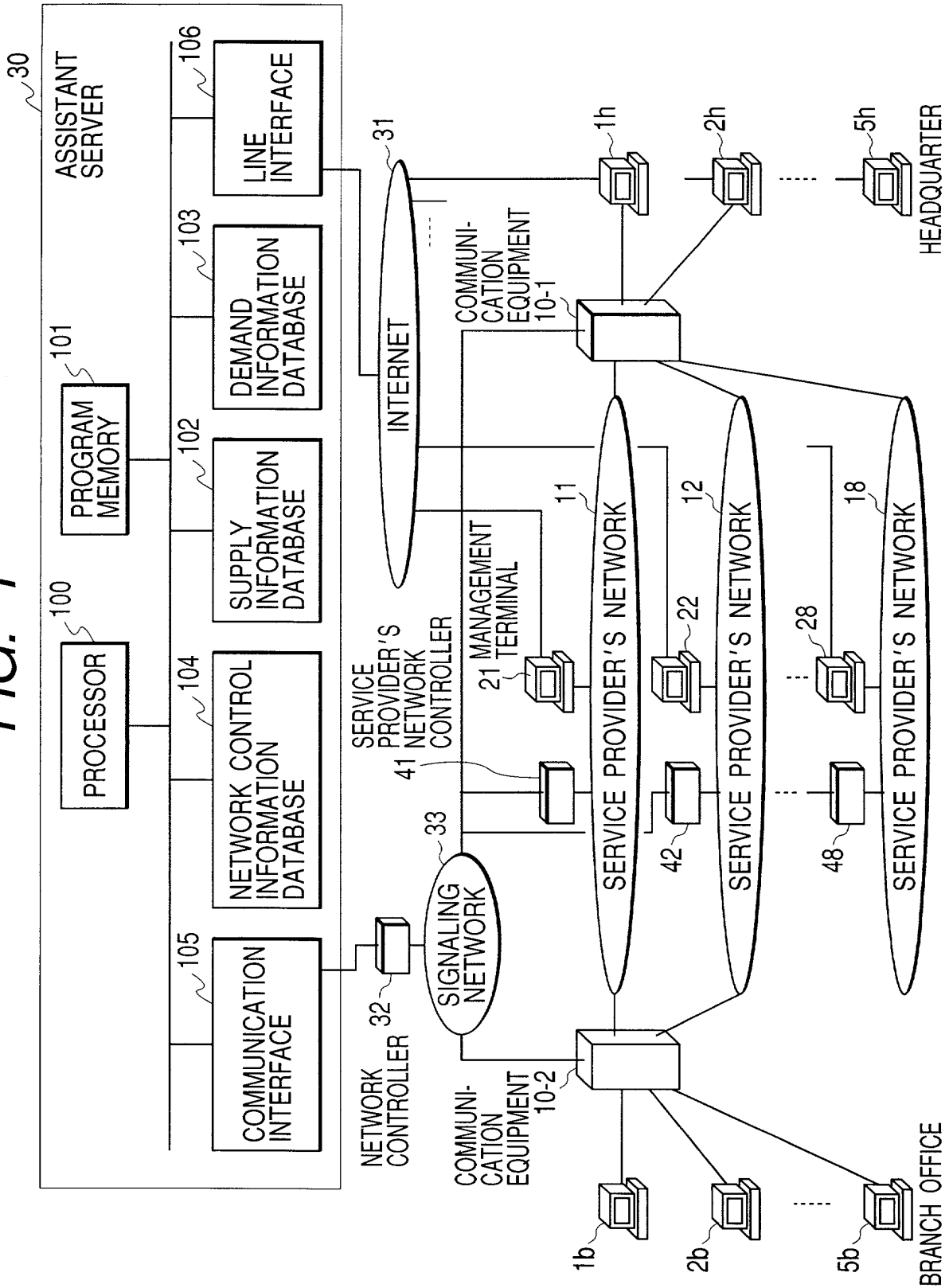


FIG. 2

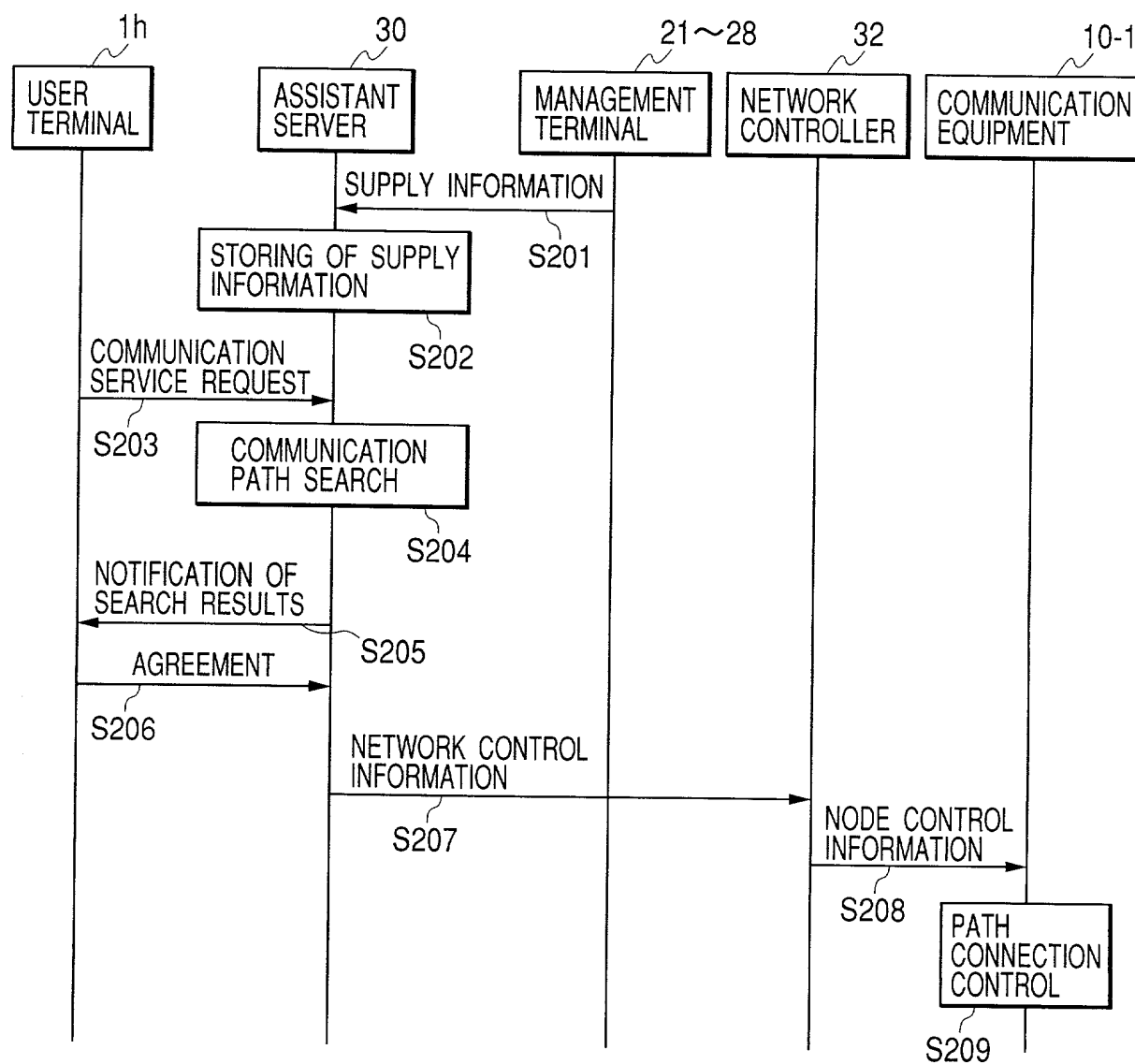


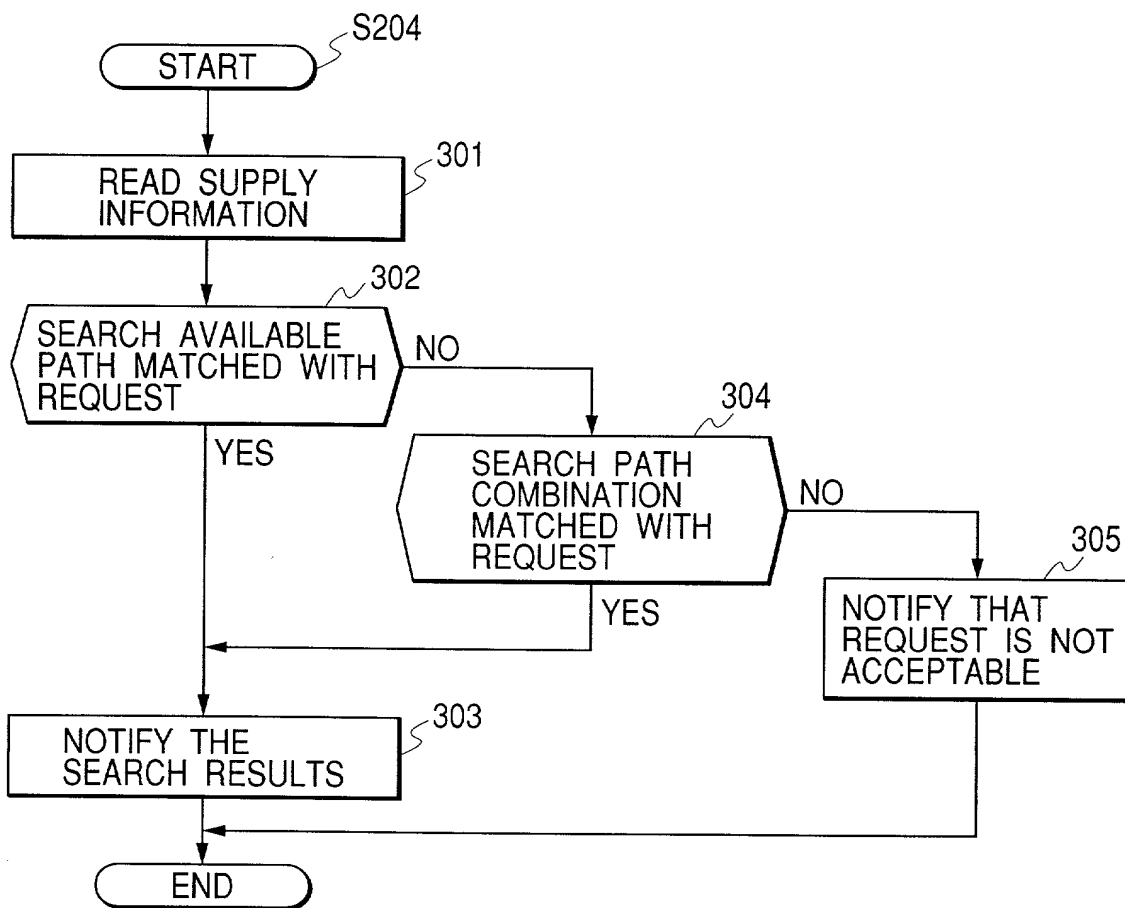
FIG. 3

FIG. 4

102
SUPPLY INFORMATION DATABASE

400 SERVICE PROVIDER	401 SERVICE AREA	402 SERVICE TERM	403 BANDWIDTH (bps)	404 QOS	405 SERVICE SHARE	
a	TOKYO— OSAKA	2001/04/01— 2003/03/31	2M	GUAR- ANTEED	OK	102a
b	TOKYO— OSAKA	2001/04/01— 2003/03/31	3M	GUAR- ANTEED	OK	102b
c	TOKYO— OSAKA	2001/06/01— 2003/06/30	2M	BEST EFFORT	OK	102c
d	TOKYO— OSAKA	2001/06/01— 2003/06/30	3M	BEST EFFORT	OK	102d
e	TOKYO— OSAKA	2001/09/01— 2002/08/31	1M	TOP PRIORITY	OK	102e
f	TOKYO— OSAKA	2002/09/01— 2003/08/31	1M	TOP PRIORITY	OK	102f
g	TOKYO— OSAKA	2001/10/01— 2005/08/31	5M	TOP PRIORITY	OK	102g
h	TOKYO— OSAKA	2001/10/01— 2005/08/31	5M	TOP PRIORITY	OK	102h
⋮	⋮	⋮	⋮	⋮	⋮	

FIG. 5

103

DEMAND INFORMATION DATABASE

500	501	502	503	504	505	506	507	508
USER	SERVICE AREA	SERVICE TERM	BANDWIDTH (bps)	QOS	BACKUP ROUTE	COMBINATION SERVICE	SOURCE ADDRESS	DESTINATION ADDRESS
A	TOKYO— OSAKA	2001/04/01— 2003/03/31	5M	GUAR- ANTEED	NO	OK	1h	1b
B	TOKYO— OSAKA	2001/06/01— 2003/06/30	4M	BEST EFFORT	NO	OK	2h	2b
C	TOKYO— OSAKA	2001/06/01— 2003/06/30	1M	BEST EFFORT	NO	OK	3h	3b
D	TOKYO— OSAKA	2001/09/01— 2003/08/31	1M	TOP PRIORITY	NO	OK	4h	4b
E	TOKYO— OSAKA	2001/10/01— 2005/08/31	5M	TOP PRIORITY	YES	OK	5h	5b
∴	∴	∴	∴	∴	∴	∴	∴	∴

103a

103b

103c

103d

103e

FIG. 6

104

NETWORK CONTROL INFORMATION DATABASE

600		612	613	601	602	603	604				605			610	611
USER	SOURCE ADDRESS	DESTINATION ADDRESS	SERVICE TERM	SERVICE AREA	SERVICE ID	FIRST PATH DEFINITION			SECOND PATH DEFINITION			QOS	BACKUP ROUTE		
						SERVICE PROVIDER	BANDWIDTH (bps)	PATH ID	SERVICE PROVIDER	BANDWIDTH (bps)	PATH ID				
A	1h	1b	2001/04/01— 2003/03/31	TOKYO— OSAKA	1	a	2M	1	b	3M	2	GUAR- ANTEED	NO	104a	
B	2h	2b	2001/06/01— 2003/06/30	TOKYO— OSAKA	2	c	1.6M	3	d	2.4M	4	BEST EFFORT	NO	104b	
C	3h	3b	2001/06/01— 2003/06/30	TOKYO— OSAKA	3	c	0.4M	5	d	0.6M	6	BEST EFFORT	NO	104c	
D	4h	4b	2001/09/01— 2002/08/31	TOKYO— OSAKA	4	e	1M	7	—	—	—	TOP PRIORITY	NO	104d	
D	4h	4b	2002/09/01— 2003/08/31	TOKYO— OSAKA	4	f	1M	8	—	—	—	TOP PRIORITY	NO	104D	
E	5h	5b	2001/10/01— 2005/08/31	TOKYO— OSAKA	5	g	5M	9	—	—	—	TOP PRIORITY	NO	104e	
E	5h	5b	2001/10/01— 2005/08/31	TOKYO— OSAKA	5	h	5M	10	—	—	—	TOP PRIORITY	YES	104E	

606A607A608A606B607B608B

6/13

606A 607A 608A 606B 607B 608B

104a

104b

104c

104d

104D

104e

104E

FIG. 7

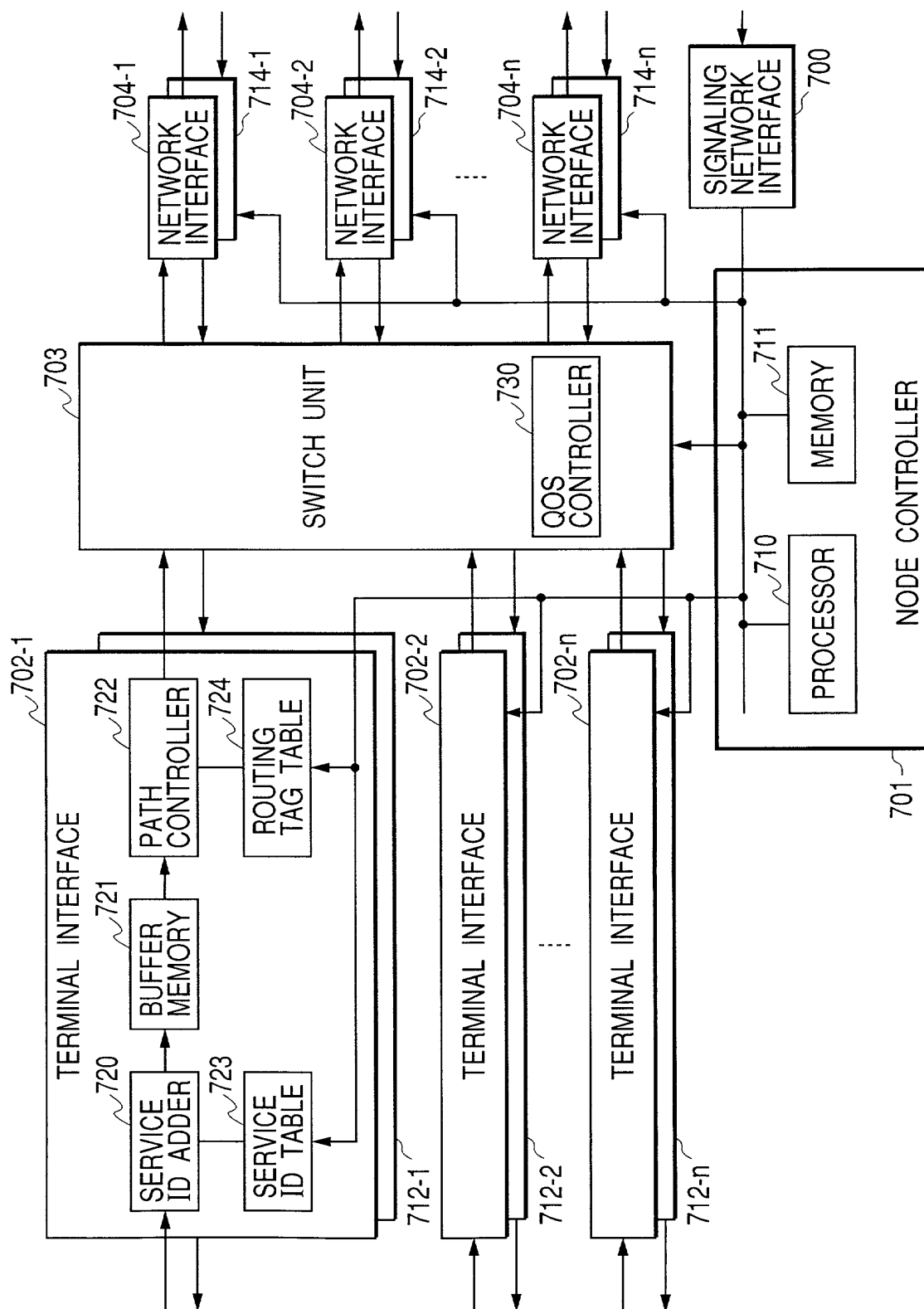


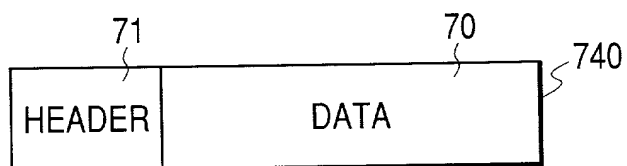
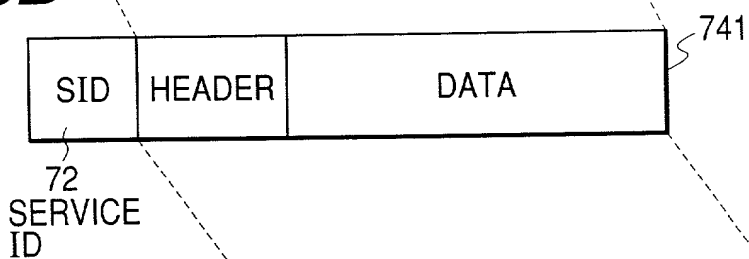
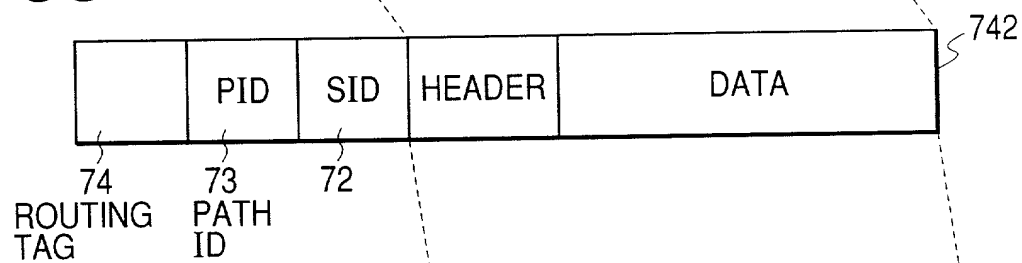
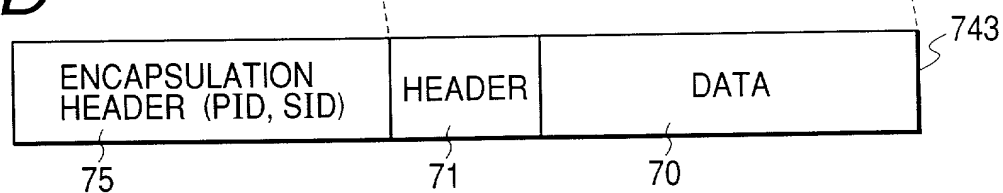
FIG. 8A**FIG. 8B****FIG. 8C****FIG. 8D**

FIG. 9

80

INPUT OF SUPPLY INFORMATION		
81	NAME OF SERVICE PROVIDER	<input type="text" value="a"/>
82	SERVICE AREA	FROM <input type="text" value="TOKYO"/>
		TO <input type="text" value="OSAKA"/>
83	SERVICE TERM	FROM <input type="text" value="2001/04/01"/>
		UNTIL <input type="text" value="2003/03/31"/>
84	BANDWIDTH (bps)	<input type="text" value="2 Mbps"/>
85	QOS	<input type="text" value="GUARANTEED"/>
86	SERVICE SHARE	<input type="text" value="OK"/>

B10

B11

CANCEL

ENTER

FIG. 10

90

INPUT OF SERVICE REQUEST		
91	NAME OF USER	A
92	SERVICE AREA	FROM TOKYO
		TO OSAKA
93	SERVICE TERM	FROM 2001/04/01
		UNTIL 2003/03/31
94	BANDWIDTH (bps)	5 Mbps
95	QOS	GUARANTEED
96	COMBINATION SERVICE	YES
97	BACKUP ROUTE	NO
98	SOURCE ADDRESS	1h
99	DESTINATION ADDRESS	1b

CANCEL ENTER

B12 B13

FIG. 11

110

● YOUR REQUEST IS AS FOLLOWS

120

NAME OF USER		A		
SERVICE AREA	FROM	TOKYO		
	TO	OSAKA		
SERVICE TERM	FROM	2001/04/01		
	UNTIL	2003/03/31		
BANDWIDTH (bps)		5 Mbps		
QOS		GUARANTEED		
COMBINATION SERVICE		YES		
BACKUP ROUTE		YES		
SOURCE ADDRESS		1h		
DESTINATION ADDRESS		1b		

● SEARCH RESULT FOR YOUR REQUEST IS AS FOLLOWS 130

SERVICE PROVIDER (1)	BANDWIDTH	SERVICE PROVIDER (2)	BANDWIDTH	REQUESTED QOS
a	2 Mbps	b	3 Mbps	GUARANTEED

131
132
133
134
135

ORDER

CHANGE OF
REQUEST/RE-SEARCH

END

B14
B15
B16

FIG. 12

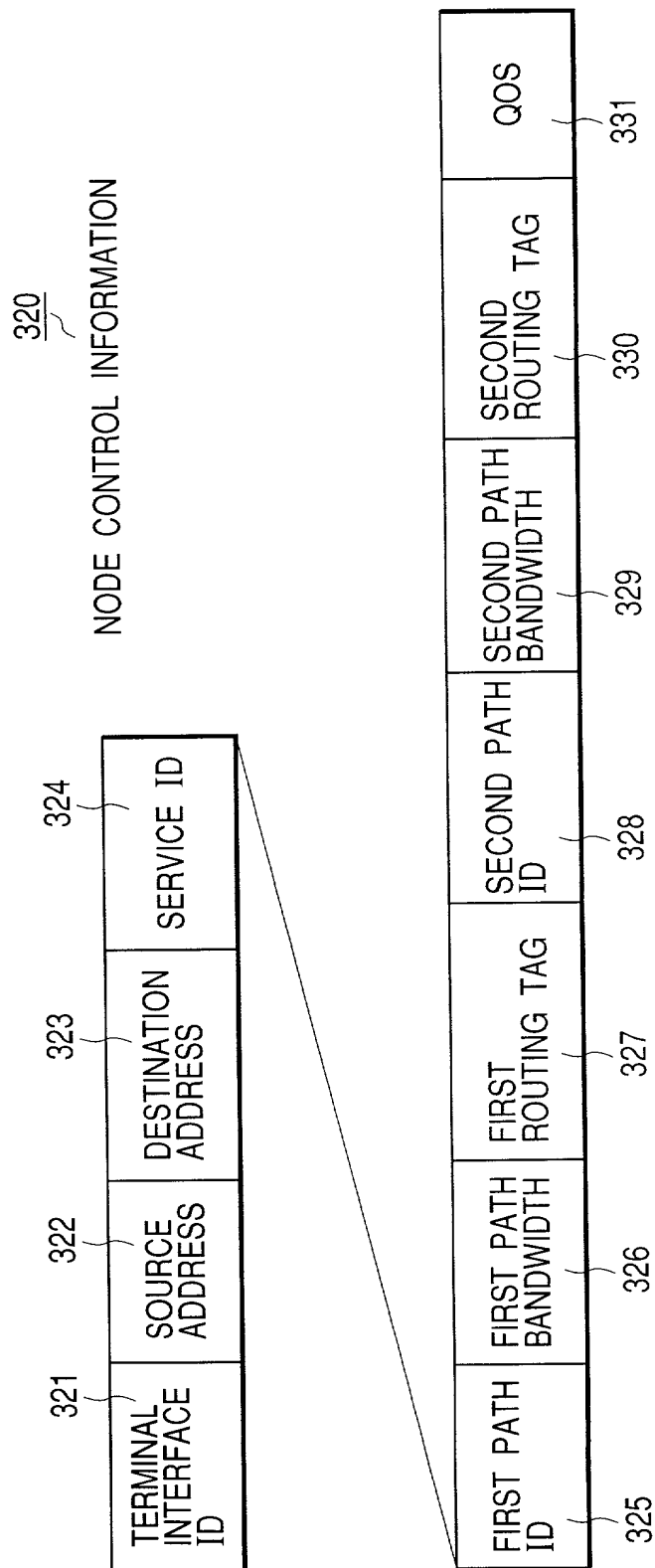


FIG. 13

